SUMITOMO
724
U.S. COAST GUARD
724

DWG NO 378-FRAM-W-401-015
REV M | SH 2 | SR 1

GENERAL NOTES

1. FOR LOCATIONS OF TOPSIDE MOUNTED EQUIPMENT RELATED TO ANTENNAS, SUCH AS TUNERS, COUPLERS, AMPLIFIERS, ETC., SEE ARRANGEMENT OF ELEC EQUIPMENT 02 DECK AND ABOVE (REFERENCE 21).

2. BONDING AND GROUNDING OF EQUIPMENT SHALL BE IN ACCORDANCE WITH MIL-STD-1310D, FOR BONDING AND GROUNDING OF ELECTRONIC EQUIPMENT, SEE REFERENCE 22.

3. ALL ABBREVIATIONS ARE IN ACCORDANCE WITH MIL-STD-12, UNLESS OTHERWISE NOTED.

4. THE FOLLOWING NON-STANDARD ABBREVIATIONS ARE USED ON THIS DRAWING:

I & BWD :	(ISOMETRIC AND BLOCK WIRING DIAGRAM)
B & IWD :	(BLOCK AND ISOMETRIC WIRING DIAGRAM)
IWD :	(ISOMETRIC WIRING DIAGRAM)
N :	(NEW)
E :	(EXISTING)
R :	(REUSED OR RELOCATED)
EIL :	(EQUIPMENT IDENTIFICATION LIST)

5. SYM/MODEL AND OUTLINE & MTG DWG NO COLUMNS CONTAIN INFORMATION RELATING TO EXISTING NAVIGATION LIGHTS. IF NAVIGATION LIGHTS ARE REPLACED. REFER TO REF 20 FOR CURRENT HULL APPLICABILITIES AND TABLE BELOW. △3

FN	NOMENCLATURE	OLD SYM	NEW SYM	OUTLINE & MTG DWG NO.
54	UPPER MAN OVBD & BREAKDOWN LIGHT	115	115.1	MIL-L-24560/2
55	LOWER MAN OVBD & BREAKDOWN LIGHT	115	115.1	MIL-L-24560/2
56	FWD ANCHOR LIGHT (WHITE)	161.3	161.4	MIL-L-24560/23
57	AFT ANCHOR LIGHT (WHITE)	161.3	161.4	MIL-L-24560/23
58	MASTHEAD LIGHT (WHITE)	172.1	172.2	MIL-L-24560/10
59	RANGE LIGHT (WHITE)	172.1	172.2	MIL-L-24560/10
60	UPPER TOWING LIGHT (WHITE)	172.1	172.2	MIL-L-24560/10
61	LOWER TOWING LIGHT (WHITE)	172.1	172.2	MIL-L-24560/10
62	PORT SIDE LIGHT (RED)	182.1	182.2	MIL-L-24560/9
63	STBD SIDE LIGHT (GREEN)	183.1	183.2	MIL-L-24560/9
64	STEERING LIGHT (WHITE)	195.1	195.1	MS 17318
65	STERN LIGHT (CLEAR)	196.1	196.3	MIL-L-24560/8
66	BLINKER LIGHT (PORT)	191.2	191.2	MIL-L-24560/5
67	BLINKER LIGHT (STBD)	191.2	191.2	MIL-L-24560/5
68	12" SEARCH LIGHT	66.1	66.1	MIL-S-19551
70	UNDERWATER TASK LIGHT (MIDDLE)	114	192.1	MIL-L-24560/6
73	AIRCRAFT WARNING & SPEED LIGHT (PORT)	115	160.1	MIL-L-24560/1
74	AIRCRAFT WARNING & SPEED LIGHT (STBD)	115	160.1	MIL-L-24560/1
75	ASW LIGHT	176	176	HUBBELL 15365
76	STERN TOWING LIGHT	196.1	196.3	MIL-L-24560/8
77	STERN TOWING LIGHT (PORTABLE)	196.4	196.4	MIL-L-24560/8

△6 6. RELOCATE THE MODEL 8171 SPECTRUM ANTENNA TO THE YARDARM INSTALL THE AS-3819/SRN ANTENNA ON THE VACATED FOUNDATION.

REFERENCES

NO.	TITLE	DRAWING NO.
1	TACAN SYS AN/URN-25 CKT "IR-RN" I & BWD	378-FRAM-W-423-003
2	~~IFF AN/ SYS CKT "X-RA" BLK & IWD~~	~~441-005~~ △3
3	~~CAT RCVR SYS AN/SSR-1 BLK & IWD~~	~~441-007~~ △3
	~~CKT A CG BLK & IWD~~	
4	~~SURFACE SEARCH RADAR SYS AN/SPS-64(V)4 I & BWD~~	~~451-001~~ △6
5	AIR SRCH RDR SYS AN/SPS-40( ) CKT "R-EA"	452-001 △2
6	RDR IFF SYS CKT "R-1C" & "R-11" BLK & IWD & AN/SKR-4 I & BWD	455-001
7	SONAR SIGNAL PROCESSING SYS AN/SQR-17A (V)1	460-001
8	SATL XCVR SYS AN/WSC-3(V)3 I & BWD	441-008
	"R-CI" AND "R-IE" ISOMETRIC AND BLK WRG DIAG	
9	ELECTRONIC COUNTERMEASURE SYSTEM CIRCUIT	472-003 △1
10	GUN FIRE CONT SYS MK92 MOD1 BLK & IWD	481-004
11	ELEX NAVIGATIONAL SYS I & BLK WRG DIAG	423-001
	CKT TV BLK & IWD	
12	RECREATION TV & ENTERTAINMENT SYSTEM	434-001
13	ANTENNA FOUNDATIONS	184-001
14	JACK & ENSIGN STAFF	611-002
15	FOREMAST	171-003
16	MAINMAST	171-001
17	~~ANTENNA FOPT FOUNDATIONS~~	~~184-007~~ △1
18	ELEX & ELEC FOUNDATIONS MN DK & ABOVE	184-003
19	ANTENNA DETAILS	405-002
20	RUNNING, SIGNAL & ANCHOR LIGHTS – IWD	422-001
21	ARR OF ELEC EQPT 02 LEVEL & ABV	301-008 △4
	SCHEDULE AND DETAILS	
22	BONDING & GROUNDING OF ELECTRONIC EQPT	406-002
23	AN/WRN-6(V) ARRANGEMENT, INSTALLATION & BWD	378-FRAM-W-423-100 △5
24	MAST & PLATFORM FOR INMARSAT MX 2400 ANTENNA	378-FRAM-W-441-101 △5
25	RADIO COMMUNICATIONS BLOCK WIRING DIAGRAM & DETAILS	378-FRAM-W-441-015 △5
26	INMARSAT STANDARD-C SYS B.W.D. & DETAILS	378-FRAM-E-441-029 △1
27	AN/SPS-73(V)4 SRFC SRCH RDR BLK WRG DIAG & DETAILS	378-FRAM-E-451-030 △7
28	INMARSAT-C UPGRADE ARR & DETAILS	FL-6700-74 △1
29	DEEPWATER AIS – CABLE BLOCK DIAGRAM	378-FRAM-E-423-013 △2
30	DEEPWATER AIS – CABLE RUN SHEET	378-FRAM-E-423-014
31	DEEPWATER LAW MARINE AND DSC RADIO – CBD	378-FRAM-E-441-033
32	DEEPWATER LAW MARINE AND DSC RADIO – CRS	378-FRAM-E-441-034 △2
33	SEI EQUIPMENT AN/SSX-1 BWD AND DETAILS	378-FRAM-E-441-034 △2
34	SIRVSS & CVRS BWD & INSTALL DETAILS	FL-6701-221 △5
35	SINS NAVIGATION SYSTEM BWD & DETAILS	378-FRAM-E-423-017 △6

REVISIONS (CONTINUED)

ZONE	REV	DESCRIPTION	DATE	APPROVED
SH. #1 ALL 8-E/2 4-F/4 3-F/4 8-E/2 3-F/3 3-F/4 4-C/3 4-E/4 4-C/2 6-E/1 8-F/2 8-D/2 4-D/3 4-F/4 6-E/1	M	THIS REVISION IAW PROJECTS 28815 SINS NAVIGATION SYSTEM INSTALLATION & 23802 SIRVSS INSTALLATION. ANTENNA POSITIONS DERIVED FROM SITE SURVEY ON CGC SHERMAN (HULL 720) 1. REVISED TITLE SHEET 2. ADDED ANTENNA 6-4. 3. ADDED ANTENNA 1-15. 4. DELETED ANTENNA 8-2 (ITEM #43) 5. ADDED REFERENCE #34. 6. REVISED FIND NO. 82. 7. ADDED FIND NO. 98. 8. ADDED REFERENCE #35.	01/23/09 02/13/09 5/27/09	BY: AFS/ WES CHK'D: WES/ AFS SPM/S/ CGYard

REVISIONS CONT'D IN ZONE 4-C

REVISIONS (CONTINUED)

ZONE	REV	DESCRIPTION	DATE	APPROVED
SH2 B/M	D (CNO)	4. REVISED NOMENCLATURE OF FN39 FROM "AS-2782/SPS-40B" TO "AS-2782/SPS-40( )" TO INC ECN FE-1633. 5. REV FN54 THROUGH FN68, FN70, FN73 THROUGH FN77. ITEMS 1-3 & 5 INC DWG CHANGES.		
SH 1 6H SH 2 3E SR 2,3,4 SH 4 4F ALL	E	ADDED REFERENCE 23 CHANGED FIND NO'S 25 & 26 FM MLA-2D/CG TO MLA-324 & MLA-1E-CG TO MLA-115 RESPECTIVELY ADDED FIND NO'S 79, 80 & 81; GEN NOTE 6 DELETED FIND NO'S 32 & 47 ADDED DETAIL 2-F/4 CONVERTED TO AUTO-CAD FORMAT IAW COMDT INST M9085.1 THE FOLLOWING VIEWS WERE RENUMBERED AS FOLLOWS: WAS → IS SHT 3: PLAN 4-A → PLAN VIEW SHT 4: ELEV 4-A → 5-B/4 THIS REVISION REFLECTS THE SCCS INSTALLATION IAW PROJECT 23412 & MINILOOP REPLACEMENT PROJECT 32809.	11-15-94	BY: RWW SKA APPVD: RGM/S/ KSL/S/ RVS/S/
ALL	F	THIS REVISION REFLECTS THE INMARSAT STD "A" SYSTEM INTALLATION IAW PROJECT 32906. ADDED FIND #82, ADDED REF #24.	6-22-95	BY: REC RGM/S/ KSL/S/ RVS/S/
3&4 2&4 1	G	THIS REVISION REFLECTS UPDATES AND CHANGES IAW PROJECT 24802. 1. RELOCATED PC #31. 2. ADDED PC #83. 3. DELETED REF'S #2, 3 & 7. ADDED REF #25.	8-1-96	BY: RWW RGM/S/ KSL/S/
SH 2 4-F SH 3,4 ALL SH 4 8-F SH 1 6-F SH 1 4-D 3-A SH 2 4-E SH 1 4-H SH 2 8-E,F SH 3,4 ALL SH 1 6-F	H	ITEMS 1 THRU 4 REFLECT UPDATES AND CHANGES IAW PROJECT 24406. 1. ADDED PC #84. 2. ADDED DET 8-F/4. 3. ADDED REF #26. 4. REVISED PLAN DISTRIBUTION TABLE & INDEX. ITEMS 5 THRU 7 REFLECT UPDATES AND CHANGES IAW PROJECT 24406. 5. DELETED PC# 38 & 40, REF #4 6. ADDED PC# 85 THRU 88. 7. ADDED REF# 27	5-8-00	BY: DAK RGM/S/ RBS/s/ KSL/S/
1 1 2,3,4	J	THIS REVISION REFERENCES, UPDATES, AND CHANGES IAW PROJECT 50402 1. ADDED REF #28 2. REVISED INDEX 3. REVISED FN 84 4. REVISED DETAIL 8-F/4	08-04-04	BY: WES RGM SPM
1 1 2,3,4	K	THIS REVISION INCORPORATES THE INSTALLATION OF AIS AND LAW MARINE AND DSC RADIOS. 1.UPREV'D INDEX AND PLAN APPLICABILITY 2.ADDED REFERENCES #29 TO #32 3.ADDED PC#89 TO PC#94	07-31-06	BY: GBS JFH/S/
1 2,3,4	L	THIS REVISION IAW PROJECT 23802 AN/SSX-1 SEI EQUIPMENT INSTALLATION 1. REVISED TITLE SHEET 2. ADDED ANTENNA 5-8, ITEM #95, REF. #33 3. DELETED ITEM #49	09-08-08	BY: AFS CHK'D: RGM SPM/S/

REVISIONS CONT'D IN ZONE 4-C

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
ALL	A	ORIGINAL ISSUE	JK	6-3-86
ALL	B	1. REVISED DRAWING IN ITS ENTIRETY. THIS REVISION INCLUDES THE FOLLOWING CHANGES: 2. EXTENDED DRAWING APPLICABILITY TO HULL 720. THE ABOVE CHANGE INCORPORATES ECN FE-083. 3. CHANGED NOMENCLATURE OF ANTENNAS 1-10A THROUGH 1-10D (F/N 10 THROUGH 13) FROM AS-2815/SSR-1 TO AS-2815/ SSR-1A AND TITLE OF REFERENCE 3 FROM SAT RECEIVING SYSTEM AN/SSR-1 B & IWD TO SAT RECEIVING SYSTEM AN/SSR-1A B & IWD. THE ABOVE CHANGES INCORPORATE MOD-0068. 4. CHANGED ANTENNA 4-3 (F/N 31) FROM AS-514B/URD-4 TO CDYM-TD-L1650, ADDED ANTENNA iFF AS-177B/UPX (SP & WT) (F/N 53). RELOCATED ANTENNAS 1-10A, 1-10B, 2-5, 3-3 AND CCEM-390-2 (F/N 10, 11, 18, 27 AND 46 RESPECTIVELY). THE ABOVE CHANGES INCORPORATE MOD-0035. 5. LIFTED RESERVATIONS 1 AND 2 AND EXTENDED DRAWING APPLICABILITY TO HULL 724.	DCL	4/13/88
SH 2 EIL SH 3 3F 4F SH 4 5D 4F SH 2 EIL SH 2 EIL SH 2 EIL SH 2 EIL SH 2 EIL SH 2 EIL SH 2 EIL SH 3 5F,8F SH 4 5E,8C SH 4 4D ALL	C	1. ADDED ASW LIGHT F/N 75. REVISED PLAN 4-A (SH 3) & ELEV 4-A (SH 4) TO SUIT. REVISED QTY OF 12" SEARCH LIGHT F/N 68 FROM 4 TO 2 & ADDED ALTERNATE LOCATION NOTATION TO ONE (1) EACH, PORT & STBD 12" SEARCH LIGHT ON BODY OF DWG. THE ABOVE CHANGES INCORPORATE ECN FE-1183. 2. REVISED SYM/MODEL COLUMN FOR ANTENNA 1-9 (FREQ & TIME STD) F/N 9 FROM 8206 TO CEES-8206 AND ANTENNA (TACAN) F/N 45 FROM AS-3240/URN TO AS-3240 ( )/URN. THE ABOVE CHANGES INCORPORATE MOD 0087. 3. REVISED SOURCE UNDER QTY COLUMN FOR ANTENNA 1-2, 1-3, 1-9, 2-2, 2-5, 2-13 AND 2-15, F/N 1, 2, 9, 15, 18, 23, AND 24 RESPECTIVELY. THE ABOVE CHANGES INCORPORATE MOD 0109. 4. REVISED NOMEN COLUMN FOR ANT 1-2, 1-3, 1-6, 1-7 AND WHIP (HF, SHORT RANGE) ANTENNA AND UNDERWATER TASK LIGHT F/N 1, 2, 6, 7, 46 AND 70 RESPECTIVELY. 5. REVISED ORD REF COLUMN FROM REF 2 TO REF 19 FOR ANTENNA 1-5A, 1-5B, 3-3, 3-4, 3-5 AND 3-6, FN 4, 5 AND 27 THRU 30 RESPECTIVELY. 6. REVISED SYM/MODEL COLUMN FOR 12" SEARCHLIGHT, INFRARED XMTR BEACON (PORT) AND INFRARED XMTR BEACON (STBD) F/N 68, 71 & 72 RESPECTIVELY. 7. REVISED REMARKS COLUMN FOR F/N 54 THRU 67, 69, 70, 73 AND 74. 8. REVISED OUTLINE AND MTG DWG NO. COLUMN FOR 19" SEARCH LIGHT F/N 69. 9. ADDED STERN TOWING LIGHT, STERN TOWING LIGHT ((PORTABLE) AND WHISTLE LIGHT F/N 76, 77 & 78 RESPECTIVELY. REVISED BODY OF DWG TO SUIT. 10. REVISED DEPICTION OF ANT 2-5 AND 2-14 F/N 18 AND 46 RESPECTIVELY TO REFLECT A HEIGHT OF 23 FT. 11. EXTENDED DWG'S APPLICABILITY TO HULLS 719, 722, 723, 725 AND 726. REVISION ITEMS 4 THRU 11 DUE TO DESIGN DEVELOPMENT.	12/6/88	DCL
SH1 REF GN	D	1. REVISED REF 9, 21. DELETED REF 17. 2. REVISED REF 5 TO INC ECN FE-1633. 3. ADDED GN 5.		

REVISIONS CONT'D IN ZONE 2-H

INDEX △4

SH	DESCRIPTION	REVISION
1	DWG TITLE, REFERENCES, REVISIONS AND GENERAL NOTES, PLAN APPLICABILITY & PLAN DIST.	E F G H J K L M △2
2	EQUIPMENT IDENTIFICATION LIST	E F G H J K L M
3	ARRANGEMENT, PLAN	E F G H J K L M
4	ARRANGEMENT, ELEVATION 5-A/4 & DETAIL 2-F/4	E E G H J K L M

HULL NO.	CUTTER NAME	ALT	DATE S/A COMPLETED	DATE S/A CERTIFIED
726	MIDGETT	M		
725	JARVIS	M		
724	MUNRO	M		
723	RUSH	M		
722	MORGENTHAU	M		
720	SHERMAN	M		
719	BOUTWELL	M		
717	MELLON	M		

△4 PLAN APPLICABILITY

△11

USCG YARD, 2401 HAWKINS POINT RD
BALTIMORE, MARYLAND 21226-1797

	INITIALS	DATE
DESIGN	L. CLEMMENS	12/5/88
DRAWN	L. CLEMMENS	12/5/88
CHECKED	G. ARTEAGA	
TODD APPVL		
USCG APPVL		
U.S.C.G. APPROVAL		
INDUSTRIAL DEPARTMENT, CGYD		

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593
NAVAL ENGINEERING DIVISION

378 FT WHEC

GENERAL ARRANGEMENT OF ANTENNA, RUNNING, ANCHOR AND SIGNAL LIGHTS

SIZE	FSCM CAGE NO	U.S.C.G. DRAWING NO.	REV
H	81340	378-FRAM-W-401-015	M

SCALE NONE | 10.42 SQ FT | SHEET 1 OF 4

DISTRIBUTION STATEMENT C: DISTRIBUTION AUTHORIZED TO DHS/CG/DOD AND THEIR CONTRACTORS; ADMINISTRATIVE AND OPERATIONAL PURPOSE; <DATE>. OTHER REQUESTS SHALL BE REFERRED TO: COMMANDING OFFICER, USCG ELC 05T, 2401 HAWKINS POINT ROAD, MAIL STOP 25/STINFO PROJECT MANAGER, BALTIMORE, MD 21226-5000

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✱ = SEPIA ▽ = ORIGINAL △ = SERVER PLAN DISTRIBUTION	DATE ISSUED							
	M	0	0	0	0			
	2	4	0	1	1			
INDUSTRIAL DEPT			1	1	1			
STRUCTURAL GROUP								
SHOPS, X10 MACHINISTS SECT								
X11 PATTERN SECT								
X13 WELDING SECT								
MECHANICAL GROUP								
SHOPS, X21 PIPEFITTER SECT								
X22 MACHINE SECT								
X23 MARINE MACHINE SECT								
ELECTRICAL GROUP								
SHOPS, X31 ELECTRICAL SECT								
X32 ELECTRONICS SECT	2	4	2	1				
X33 INSTRUMENT SECT								
SERVICES GROUP								
SHOPS, X41 WOODWORKING SECT								
X42 PAINT SECT								
X43 MATERIAL HANDLS SECT								
X44 RAILWAY/CAPSTAN SECT								
X45 BOAT BLDG SECT								
CEPAC								
CODER (SQN)								
SIE DISTRIBUTION			1	1	1	1		
COMDT ELC-OUT				1	0	1	0	0
COMDT S-SQN			1	1	1	1		
COMDT ELC-033 (INVF-TECH SECT)								
COMDT ELC-036 (SIF SUP-TECH SECT)								
Q & A STAFF								
TECOM (NAVSEA)				1	1	1		
OTHER DISTRIBUTION								
MCLEAN (VAQ-2)			✱	✱	✱	✱		
MCLEAN (VAQ-34)			✱	✱	✱	✱		
MCLEAN (VAQ-33)			✱	✱	✱	✱		
WCSP (NAVY)			✱	1	1	1	1	
CNO—								
NORCKENTAL RUSH, MUNRO			6	6	6	6		
MELLON, BOUTWELL, SHERMAN			6	6	6	6		
JARVIS, MIDGETT			4	4	4	4		
OPERATING DIVISION FILES			3	✱	✱	1		
ALEXANDER			2	2	2			
TOTAL			26	26	26	26		

SCALE FACTOR 1 | ELECTRONIC FILENAME 378-FRAM-W_401_15_1_-_M.dwg

DWG NO 378-FRAM-W-401-015
REV M | SH 2 | SR 1

EQUIPMENT IDENTIFICATION LIST (CONTINUED)

FIND NO.	NOMENCLATURE	SYM/MODEL	QTY N	QTY E	QTY R	OUTLINE & MTG DWG NO.	GFE	WT LBS	ORD REF	FDN REF	REMARKS
65	STERN LIGHT (CLEAR)			1				18	20	18	SEE GENERAL NOTE 5
66	BLINKER LIGHT (PORT)			1				25.6	20	15	SEE GENERAL NOTE 5
67	BLINKER LIGHT (STBD)			1				25.6	20	15	SEE GENERAL NOTE 5
68	12" SEARCH LIGHT			2					20	18	SEE GENERAL NOTE 5
69	19" SEARCH LIGHT			1		CARLISLE FINCH 195L-6509			20	15	CROUSE-HINDS
70	UNDERWATER TASK LIGHT (MIDDLE)			1				2.5	20	15	SEE GENERAL NOTE 5
71	INFRARED XMTR BEACON (PORT)	67-12-31.2		1		T-438/SAT-2			20	15	
72	INFRARED XMTR BEACON (STBD)	67-12-31.2		1		T-438/SAT-2			20	15	
73	AIRCRAFT WARNING & SPEED LIGHT (PORT)			1				2.5	20	15	SEE GENERAL NOTE 5
74	AIRCRAFT WARNING & SPEED LIGHT (STBD)			1				2.5	20	15	SEE GENERAL NOTE 5
75	ASW LIGHT			1					20	15	SEE GENERAL NOTE 5
76	STERN TOWING LIGHT			1					20	18	SEE GENERAL NOTE 5
77	STERN TOWING LIGHT (PORTABLE)			1					20	18	SEE GENERAL NOTE 5
78	WHISTLE LIGHT		1			KAHLENBERG M350			20	15	
79	ANTENNA (GPS), P/N 819766-803	VOLUTE, MX-200	1				GFE				
80	ANTENNA COUPLER, P/N 798007-001-001	MSR-4050	2				GFE				MACKAY COMMUNICATIONS CORP.
81	ANTENNA, AN/WRN-6(V) GPS	AS-3819/SRN	1				GFE				
82	ANTENNA, NERA SATURN Bm		1				GFE			24	INMARSAT STD "B"
83	ANTENNA, VHF ADF, CFHN-IES-KDF-538		1				GFE				
84	ANTENNA, ADE, MDT-6000	TT-3005M	1				GFE				INMARSAT STD "C"
85	ANTENNA, SURFACE SEARCH X-BAND	AS-4474/SPS-73(V)4	1			HUGHES #XN5A (U)	GFE	300			W/PEDESTAL TYPE AB-1399/SPS-73(V)4
86	ANTENNA, SURFACE SEARCH S-BAND	AS-4475/SPS-73(V)4	1			HUGHES #SN5AF (U)	GFE	275			W/PEDESTAL TYPE AB-1400/SPS-73(V)4
87	TEST SET, RADAR, PERFORMANCE MONITOR, X-BAND	TS-4500/SPS-73(V)4	1			HUGHES #PM-30	GFE	20			
88	TEST SET, RADAR, PERFORMANCE MONITOR, S-BAND	TS-4499/SPS-73(V)4	1			HUGHES #PM-50	GFE	20			
89	ANTENNA 3-7 (VHF P-25 #1)	4265A	1								T04KKH9PW9N
90	ANTENNA 3-8 (VHF P-25 #2)	4265A	1								T04KKH9PW9N
91	ANTENNA 3-9 (UHF P-25)	4266	1								T04QKH9PW9N
92	ANTENNA 3-10 (VHF DSC)	5241-R	1								DSC500M000
93	ANTENNA 4-5 (VHF AIS)	954-VW	1								SAAB-R4
94	ANTENNA 4-6 (GPS AIS)	GPA-017	1								SAAB-R4
95	ANTENNA 5-6 (AN/SSX-1 ESM)	AS-1200B	1								AN/SSX-1 ESM EQUIPMENT
96	ANTENNA 6-4 (SINS NAVIGATION SYSTEM RADAR)	RSB-0071	1								SINS NAV EQUIP (24" DOME)
97	ANTENNA 1-15 (SINS NAVIGATION SYSTEM GPS RECEIVER, GP-37)	GPA-019	1								SINS NAV EQUIP. (GP-37 RECEIVER)
98	SIRVSS STABILIZED GIMBAL ASSEMBLY		1				GFE		34		FLIR SIRVSS SYSTEM

EQUIPMENT IDENTIFICATION LIST

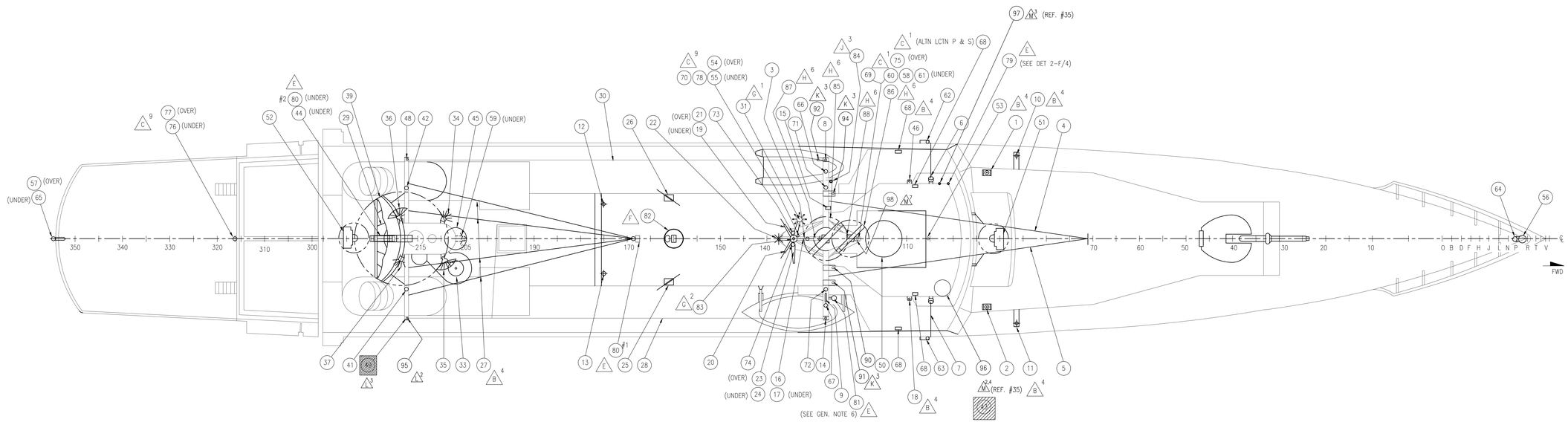
FIND NO.	NOMENCLATURE	SYM/MODEL	QTY N	QTY E	QTY R	OUTLINE & MTG DWG NO.	GFE	WT LBS	ORD REF	FDN REF	REMARKS
1	ANTENNA 1-2, WHIP (HF RCVG)	CCEM-229	1			CG7610-01-GF1-0801		142	2	17	
2	ANTENNA 1-3, WHIP (HF RCVG)	CCEM-229	1			CG7610-01-GF1-0801		142	2	17	
3	ANTENNA 1-4, (MF/HF DF)	TD-C338HS	1			TD-C338HS		14	11	13	
4	ANTENNA 1-5A, LONG WIRE (HF)		1			SHOP FAB			19	13	
5	ANTENNA 1-5B, LONG WIRE (HF)		1			SHOP FAB			19	13	
6	ANTENNA 1-6, WHIP (MF RCVG)	AT-924A/SR	1			RE-F2695039		6	2	17	W/RF TUNER,TN-334A/SRA-17
7	ANTENNA 1-7, WHIP (MF RCVG)	AT-924A/SR	1			RE-F2695039		6	2	17	W/RF TUNER,TN-334A/SRA-17
8	ANTENNA 1-8 (RAYSAT 200)	CRP-NAU-3800R	1			CRP-NAU-3800R		2	11	13	
9	ANTENNA 1-9 (FREQ & TIME STD)	MODEL 8171	1			MODEL 8171		3	2	15	
10	ANTENNA 1-10A (SATL RCVG)	AS-2815/SSR-1A			1	0967-541-9010		12.75	3	13	
11	ANTENNA 1-10B (SATL RCVG)	AS-2815/SSR-1A			1	0967-541-9010		12.75	3	13	
12	ANTENNA 1-10C (SATL RCVG)	AS-2815/SSR-1A		1		0967-541-9010		12.75	3	17	
13	ANTENNA 1-10D (SATL RCVG)	AS-2815/SSR-1A		1		0967-541-9010		12.75	3	17	
14	ANTENNA 1-11 (LORAN "C")	M75/M68453	1			DC50-JNA-750M		2	11	13	W/COUPLER, AW-750
15	ANTENNA 2-2 (AM-VHF)	D-2216	1			TECH APPL D-2216		2	2	15	
16	ANTENNA 2-3 (UHF DIPOLE)	AT-150/SRC	1			RE-F2691919		5	2	15	
17	ANTENNA 2-4 (VHF)	NT-66095		1		0967-089-5010		5	2	15	
18	ANTENNA 2-5, WHIP (HF, SHORT RANGE)	CCEM-390-2	1			CCEM-390-2		27	2	13	
19	ANTENNA 2-8 (VHF)	NT-66095		1		0967-089-5010		5	2	15	
20	ANTENNA 2-9 (UHF DIPOLE)	AT-150/SRC	1			RE-F2691919		5	2	15	
21	ANTENNA 2-10 (UHF DIPOLE)	AT-150/SRC	1			RE-F2691919		5	2	15	
22	ANTENNA 2-11 (UHF DIPOLE)	AS-390/SRC	1			RE-F2691919		9	2	15	
23	ANTENNA 2-13 (VHF-FM)	CCEM-396-1	1			CCEM-396-1		3	2	15	
24	ANTENNA 2-15 (VHF-FM)	CCEM-396-1	1			CCEM-396-1		3	2	15	
25	ANTENNA 3-1 (HF, MINILOOP)	MLA-324	1			CG7610-01-GE8-4101		150	2	17	
26	ANTENNA 3-2 (HF, MINILOOP)	MLA-115	1			CG7610-01-GE8-9610		230	2	17	
27	ANTENNA 3-3, FAN (HF BROADBAND)		1			SHOP FAB			19	13	
28	ANTENNA 3-4, WIRE (MF XMTG)		1			SHOP FAB			19	19	
29	ANTENNA 3-5, FAN (HF BROADBAND)		1			SHOP FAB			19	13	
30	ANTENNA 3-6, WIRE (MF XMTG)		1			SHOP FAB			19	19	
31	ANTENNA 4-3 (UHF DF)	CDYM-TD-L1650	1			OPN MNL A1650		13	11	13	
32	~~ANTENNA 4-4 (VHF ADF)~~	~~AN/SRD-22~~	~~1~~			~~CG7610-0E8-6410~~		~~8~~	~~11~~	~~13~~	
33	ANTENNA 5-1 (ESM)	AS-899EORF/SLR	1			RE-C2699894		268	9	13	
34	ANTENNA 5-2 (ESM)	NT-66131		1		NAVSEA 900,656		30	9	13	
35	ANTENNA 5-3 (ESM)	NT-66132		1		0967-896-4010		35	9	13	
36	ANTENNA 5-4 (ESM)	NT-66132		1		0967-896-4010		35	9	13	
37	ANTENNA 5-5 (ESM)	NT-66131		1		NAVSEA 9000,656		30	9	13	
38	~~ANTENNA 6-1 (X BAND, SURF SRCH)~~	~~AS-3194/AB-1247A~~	~~1~~			~~807-5034947~~		~~140~~	~~4~~	~~15~~	~~W/ANT PEDESTAL~~
39	ANTENNA 6-2 (AIR SRCH RDR)	AS-2782/SPS-40()	1			RE-D2699234		1725	5	16	
40	~~ANTENNA 6-3 (S BAND, SURF SRCH)~~	~~AS-3195/AB-1248~~	~~1~~			~~807-5034947~~		~~332~~	~~4~~	~~15~~	~~W/ANT PEDESTAL~~
41	ANTENNA 7-1 (IFF)	AS-177B/UPX	1			RE-D2699046		7	6	13	
42	ANTENNA 7-2 (IFF)	AS-177B/UPX	1			RE-D2699046		7	6	13	
43	~~ANTENNA 8-2 (AM/FM-VHF/UHF)~~	~~MK22CA~~	~~1~~			~~NAV ELEX AB306~~		~~12.1~~	~~12~~	~~13~~	
44	ANTENNA 10-1 (IFF)	AS-177B/UPX	1			RE-D2699046		7	6	13	
45	ANTENNA (TACAN)	AS-3240( )/URN	1			807-5034290		107	1	16	
46	ANTENNA, 2-14 WHIP (HF, SHORT RANGE)	CCEM-390-2	1			CCEM-390-2		27	2	13	
47	~~ANTENNA/COUPLER (OMEGA II)~~	~~CDED-OMEGA II~~	~~1~~			~~CDED-OMEGA II~~		~~4~~	~~11~~	~~13~~	
48	ANTENNA (LAMPS DATA LINK)	AS-2743/SKR-4	1			RE-D5034359		3	7	13	
49	~~ANTENNA (SONOBUOY RCVR)~~	~~AS-2889/SRC~~	~~1~~			~~0967-475-4010~~		~~7~~	~~7~~	~~13~~	
50	ANTENNA UD401 (MK 92)	MK53 MOD 0	1			NAVSEA 5469711		1960	10	13	
51	ANTENNA (SATL DIR)	AS-3018A/WSC-1(V)	1			0967-614-0010		294	8	13	
52	ANTENNA (SATL DIR)	AS-3018A/WSC-1(V)	1			0967-614-0010		294	8	13	
53	ANTENNA (IFF)	AS-177B/UPX	1			RE-D2699046		7			(SP & WT)
54	UPPER MAN OVBD & BREAKDOWN LIGHT			1				2.5	20	15	SEE GENERAL NOTE 5
55	LOWER MAN OVBD & BREAKDOWN LIGHT			1				2.5	20	15	SEE GENERAL NOTE 5
56	FWD ANCHOR LIGHT (WHITE)			1				7.4	20	14	SEE GENERAL NOTE 5
57	AFT ANCHOR LIGHT (WHITE)			1				7.4	20	14	SEE GENERAL NOTE 5
58	MASTHEAD LIGHT (WHITE)			1				18	20	15	SEE GENERAL NOTE 5
59	RANGE LIGHT (WHITE)			1				18	20	16	SEE GENERAL NOTE 5
60	UPPER TOWING LIGHT (WHITE)			1				18	20	15	SEE GENERAL NOTE 5
61	LOWER TOWING LIGHT (WHITE)			1				18	20	15	SEE GENERAL NOTE 5
62	PORT SIDE LIGHT (RED)			1				18	20	18	SEE GENERAL NOTE 5
63	STBD SIDE LIGHT (GREEN)			1				18	20	18	SEE GENERAL NOTE 5
64	STEERING LIGHT (WHITE)			1				1.1	20	14	SEE GENERAL NOTE 5

EQUIPMENT IDENTIFICATION LIST

SIZE	CAGE CODE	DWG. NO.	REV.
H	81340	378-FRAM-W-401-015	M
SCALE: NONE	10.42 SQ FT	SHEET 2	

SCALE FACTOR 1 — ELECTRONIC FILENAME 378-FRAM-W_401_15_2_-_M.dwg

DWG NO 378-FRAM-W-401-015 SH 2 REV M



PLAN VIEW

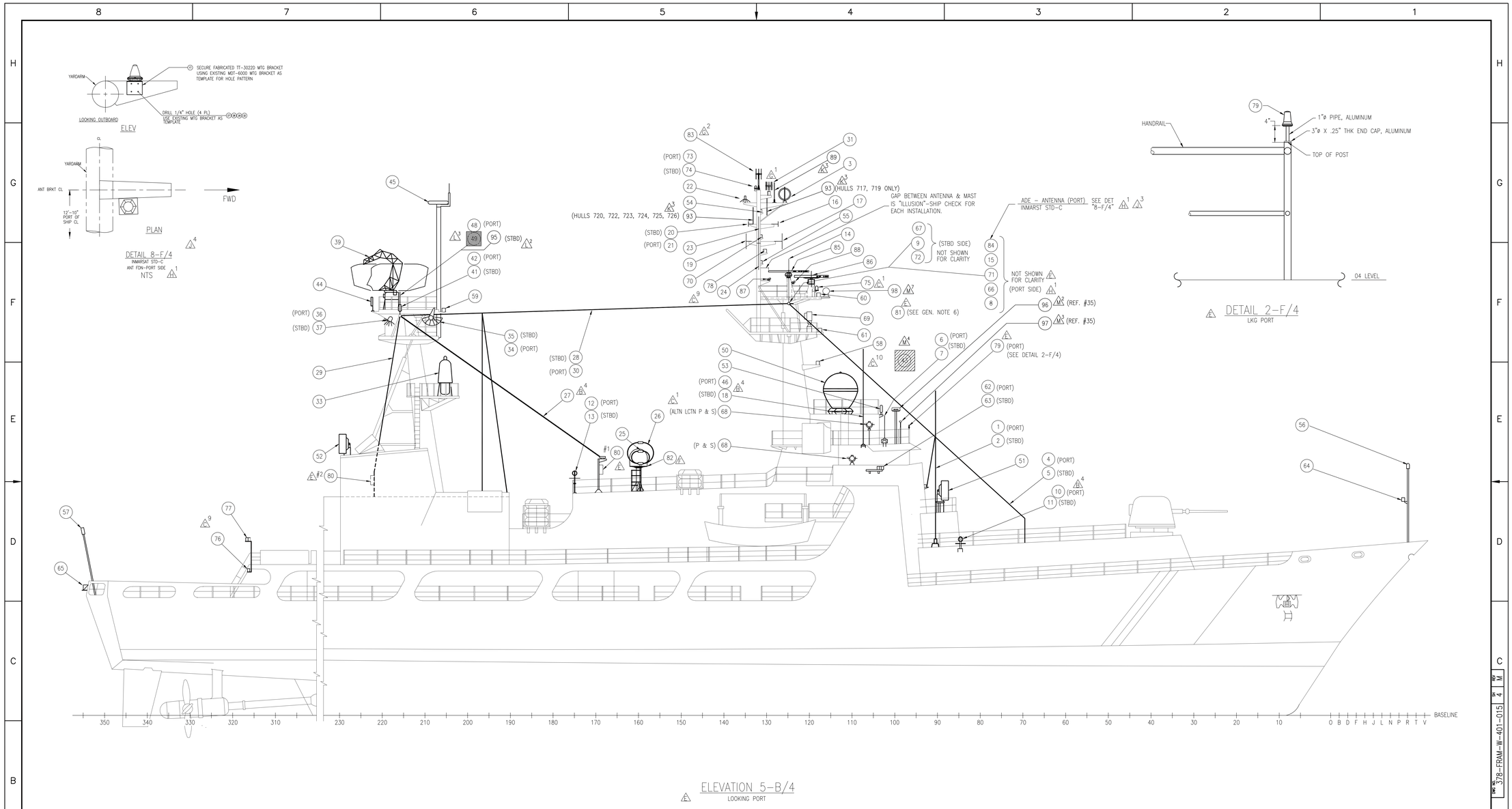
ANTENNA ARRANGEMENT
PLAN VIEW

SIZE	CAGE CODE	DWG. NO.	REV.
H	81340	378-FRAM-W-401-015	M
SCALE: 1/8"=1'-0"		10.42 SQ FT	SHEET 3

SCALE FACTOR (H) 378-FRAM-W_401_15_3_-_M.dwg

ELECTRONIC FILENAME

DWG NO 378-FRAM-W-401-015 SH 3 REV M



ANTENNA ARRANGEMENT
ELEVATION 5-A/4, LOOKING PORT

SIZE	CAGE CODE	DWG. NO.	REV.
H	81340	378-FRAM-W-401-015	M
SCALE: 1/8"=1'-0"		10.42 SQ FT	SHEET 4

SCALE FACTOR (H) ELECTRONIC FILENAME 378-FRAM-W_401_15_4_-_M.dwg

DWG NO 378-FRAM-W-401-015 SH 4 REV M